

ABSTRACT OF THE DISCLOSURE

The present invention provides an NC machine tool which permits a check for the run-out of a spindle thereof at any time. The NC machine tool includes deflection detecting means (22) provided on a base within a machining area, and run-out diagnosing means (8) for conducting a diagnosis on the run-out of the spindle by calculating the amount of the run-out of the spindle on the basis of a deflection detected by the deflection detecting means (22) and comparing the calculated run-out amount with a predetermined tolerance. A test tool is attached to the spindle and rotated about an axis thereof, and the deflection of an outer circumferential surface of the test tool is detected by the deflection detecting means (22). On the basis of the deflection thus detected, the run-out diagnosing means (8) conducts a diagnosis on the run-out of the spindle. The diagnosis on the run-out of the spindle can be achieved through a simple and easy operation by moving the test tool into a detection area of the deflection detecting means (22).